

## AuroraFlex™ EL 8088BL

Aurora Material Solutions, LLC - *Thermoplastic Elastomer*

### General Information

#### Product Description

EL 8088BL is a black lubricated thermoplastic elastomer formulated for applications that require high impact resistance and a reduced coefficient of friction. EL 8088BL is well suited for consumer goods and industrial applications requiring U.V. stability. EL 8088BL can be over molded to polypropylene.

#### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• Lubricant	• UV Stabilizer	
Features	• High Impact Resistance	• Lubricated	• UV Stabilized
Uses	• Consumer Applications	• Industrial Applications	• Overmolding
Appearance	• Black		
Processing Method	• Extrusion	• Injection Molding	

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.01		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	1180	psi	ASTM D412
Tensile Strength	1680	psi	ASTM D412
Tensile Elongation (Break)	550	%	ASTM D412
Tear Strength	322	lbf/in	ASTM D624
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	90		ASTM D2240

### Processing Information

Injection	Nominal Value	Unit
Rear Temperature	351 to 379	°F
Front Temperature	360 to 390	°F
Nozzle Temperature	370 to 399	°F
Mold Temperature	70 to 100	°F
Injection Rate	Moderate-Fast	
Back Pressure	50.0 to 99.9	psi
Screw Compression Ratio	2.5:1.0 to 3.0:1.0	

